



## SEQUENCE LISTING

<110> Dai, Ken-Shwo  
Yang, Chin-Chang

<120> HUMAN NOC2-RELATED GENE VARIANTS ASSOCIATED WITH LUNG CANCER

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<140> 09/964,275

<141> 2001-09-26

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<170> PatentIn version 3.1

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Pro Ala Glu Val Glu Ala Ile Leu Gln Val Ile Gln Arg Ala Glu Arg  
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Leu Asp Val Leu Glu Gln Gln Arg Ile Gly Arg Leu Val Glu Arg Leu  
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<213> HOMO SAPIEN

<400> 6

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Cys Arg Lys Lys Val Cys Thr Lys Cys Gly Ile Glu Ala Ser Pro Gly  
35 40 45

Gln Lys Arg Pro Leu Trp Leu Cys Lys Ile Cys Ser Glu Gln Arg Glu  
50 55 60

Val Trp Lys Arg Ser Gly Ala Trp Phe Tyr Lys Gly Leu Pro Lys Tyr  
65 70 75 80

Ile Leu Pro Leu Lys Thr Pro Gly Arg Ala Asp Asp Pro His Phe Arg  
85 90 95

Pro Leu Pro Thr Glu Pro Ala Glu Arg Glu Pro Arg Ser Ser Glu Thr  
100 105 110

Ser Arg Ile Tyr Thr Trp Ala Arg Gly Arg Val Val Ser Ser Asp Ser  
115 120 125

Asp Ser Asp Ser Asp Leu Ser Ser Ser Leu Glu Asp Arg Leu Pro

130

135

140

Ser Thr Gly Val Arg Asp Arg Lys Gly Asp Lys Pro Trp Lys Glu Ser  
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Gly Gly Ser Val Glu Ala Pro Arg Met Gly Phe Thr Gln Pro Ala Gly  
165 170 175

His Leu Phe Gly Leu Gln Ser Ser Leu Ala Ser Gly Glu Thr Gly Thr  
180 185 190

Gly Ser Ala Asp Pro Pro Gly Gly Thr Gly Ser Ala Asp Pro Pro  
195 200 205

Gly Gly Pro Arg Pro Gly Leu Thr Arg Arg Ala Pro Val Lys Asp Thr  
210 215 220

Pro Gly Arg Ala Pro Ala Ala Asp Ala Ala Pro Ala Gly Pro Ser Ser  
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Cys Leu Gly

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<211> 2592

<212> DNA

<213> HOMO SAPIEN

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Met Ala Asp Thr Ile Phe Gly Ser Gly

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aat gat cag tgg gtt tgc ccc aat gac cgg cag ctt gcc ctt cga gcc		219
Asn Asp Gln Trp Val Cys Pro Asn Asp Arg Gln Leu Ala Leu Arg Ala		
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aag ctg cag acg ggc tgg tcc gtg cac acc tac cag acg gag aag cag		267
Lys Leu Gln Thr Gly Trp Ser Val His Thr Tyr Gln Thr Glu Lys Gln		
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agg agg aag cag cac ctc agc ccg gcg gag gtg gag gcc atc ctg cag		315
Arg Arg Lys Gln His Leu Ser Pro Ala Glu Val Glu Ala Ile Leu Gln		
45 50 55		
gtc atc cag agg gca gag cgg ctc gac gtc ctg gag cag cag aga atc		363
Val Ile Gln Arg Ala Glu Arg Leu Asp Val Leu Glu Gln Gln Arg Ile		
60 65 70		
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Gly Arg Leu Val Glu Arg Leu Glu Thr Met Arg Arg Asn Val Met Gly		
75 80 85		
aac ggc ctg tcc cag tgt ctg ctc tgc ggg gag gtg ctg ggc ttc ctg		459
Asn Gly Leu Ser Gln Cys Leu Leu Cys Gly Glu Val Leu Gly Phe Leu		
90 95 100 105		
ggc agc tcg tcg gtg ttc tgc aaa gac tgc agg aag aaa gtc tgc acc		507
Gly Ser Ser Ser Val Phe Cys Lys Asp Cys Arg Lys Lys Val Cys Thr		
110 115 120		
aaa tgt ggg atc gag gcc tcc cct ggc cag aag cg <sup>g</sup> ccc ctg tgg ctg		555
Lys Cys Gly Ile Glu Ala Ser Pro Gly Gln Lys Arg Pro Leu Trp Leu		
125 130 135		
tgt aag atc tgc agt gag caa aga gag gtc tgg aag agg tcg ggg gcc		603
Cys Lys Ile Cys Ser Glu Gln Arg Glu Val Trp Lys Arg Ser Gly Ala		
140 145 150		
tgg ttc tac aaa ggg ctc ccc aag tat atc ttg ccc ctg aag acc cct		651
Trp Phe Tyr Lys Gly Leu Pro Lys Tyr Ile Leu Pro Leu Lys Thr Pro		
155 160 165		
ggc cga gct gat gac ccc cac ttc cga cct ttg ccc acg gaa ccg gca		699
Gly Arg Ala Asp Asp Pro His Phe Arg Pro Leu Pro Thr Glu Pro Ala		
170 175 180 185		
gag cga gag ccc aga agc tct gag acc agc cgc atc tac acg tgg gcc		747
Glu Arg Glu Pro Arg Ser Ser Glu Thr Ser Arg Ile Tyr Thr Trp Ala		
190 195 200		
cga gga aga gtc gta gga aga aag tgc tgatccacgc tgcagcctgg		794
Arg Gly Arg Val Val Gly Arg Lys Cys		

205

210

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<212> PRT  
<213> HOMO SAPIEN  
  
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Asn Asp Arg Gln Leu Ala Leu Arg Ala Lys Leu Gln Thr Gly Trp Ser  
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Val His Thr Tyr Gln Thr Glu Lys Gln Arg Arg Lys Gln His Leu Ser  
35 40 45

Pro Ala Glu Val Glu Ala Ile Leu Gln Val Ile Gln Arg Ala Glu Arg  
50 55 60

Leu Asp Val Leu Glu Gln Gln Arg Ile Gly Arg Leu Val Glu Arg Leu  
65 70 75 80

Glu Thr Met Arg Arg Asn Val Met Gly Asn Gly Leu Ser Gln Cys Leu  
85 90 95

Leu Cys Gly Glu Val Leu Gly Phe Leu Gly Ser Ser Ser Val Phe Cys  
100 105 110

Lys Asp Cys Arg Lys Lys Val Cys Thr Lys Cys Gly Ile Glu Ala Ser  
115 120 125

Pro Gly Gln Lys Arg Pro Leu Trp Leu Cys Lys Ile Cys Ser Glu Gln  
130 135 140

Arg Glu Val Trp Lys Arg Ser Gly Ala Trp Phe Tyr Lys Gly Leu Pro  
145 150 155 160

Lys Tyr Ile Leu Pro Leu Lys Thr Pro Gly Arg Ala Asp Asp Pro His  
165 170 175

Phe Arg Pro Leu Pro Thr Glu Pro Ala Glu Arg Glu Pro Arg Ser Ser  
180 185 190

Glu Thr Ser Arg Ile Tyr Thr Trp Ala Arg Gly Arg Val Val Gly Arg  
195 200 205

Lys Cys  
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<211> 2658

<212> DNA

<213> HOMO SAPIEN

<220>

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<222> (457) .. (840)

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tggtccgtgc acacctacca gacggagaag cagaggagga agcagcacct cagcccgccg 360

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cagagaatcg ggccggctgg	tttgc gagacc atg agg	cggtt aat gtgtt atgtt	474	
	Met Arg Arg Asn Val Met			
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ggg aac ggc ctg tcc cag	tgt ctg ctc tgc ggg gag	gtgtt ctgtt ggc ttctt	522	
Gly Asn Gly Leu Ser Gln	Cys Leu Cys Gly Glu Val	Leu Gly Phe		
10	15	20		
ctg ggc agc tcg tcg	gtgtt ttc tgc aaa	gac tgc agg aag	aaa gtc tgc	570
Leu Gly Ser Ser Val Phe	Cys Lys Asp Cys Arg	Lys Lys Val Cys		
25	30	35		
acc aaa tgt ggg atc gag	gcc tcc cct ggc cag	aag cggtt ccc ctgtt	tgg	618
Thr Lys Cys Gly Ile Glu	Ala Ser Pro Gly Gln	Lys Arg Pro Leu Trp		
40	45	50		
ctg tgt aag atc tgc agt	gag caa aga gag	gtgtt tgg aag	agg tcgtt ggg	666
Leu Cys Lys Ile Cys Ser	Glu Gln Arg Glu Val	Trp Lys Arg Ser Gly		
55	60	65	70	
gcc tgg ttc tac aaa	ggg ctc ccc aag tat	atc ttgtt ccc ctgtt	aag acc	714
Ala Trp Phe Tyr Lys Gly	Leu Pro Lys Tyr Ile	Leu Pro Leu Lys Thr		
75	80	85		
cct ggc cga gct gat	gac ccc cac ttc cga	cct ttgtt ccc acgtt	gaa ccgtt	762
Pro Gly Arg Ala Asp Asp	Pro His Phe Arg Pro	Leu Pro Thr Glu Pro		
90	95	100		
gca gag cga gag ccc	aga agc tct gag	acc agc cgc atc tac	acgtt tgg	810
Ala Glu Arg Glu Pro Arg	Ser Ser Glu Thr Ser	Arg Ile Tyr Thr Trp		
105	110	115		
gcc cga gga aga	gtc gta gga aga	aag tgc tgatccacgc	tgcagcctgg	860
Ala Arg Gly Arg Val	Val Gly Arg Lys Cys			
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<211> 128

<212> PRT

<213> HOMO SAPIEN

<400> 10

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20 25 30

Cys Arg Lys Lys Val Cys Thr Lys Cys Gly Ile Glu Ala Ser Pro Gly  
35 40 45

Gln Lys Arg Pro Leu Trp Leu Cys Lys Ile Cys Ser Glu Gln Arg Glu  
50 55 60

Val Trp Lys Arg Ser Gly Ala Trp Phe Tyr Lys Gly Leu Pro Lys Tyr  
65 70 75 80

Ile Leu Pro Leu Lys Thr Pro Gly Arg Ala Asp Asp Pro His Phe Arg  
85 90 95

Pro Leu Pro Thr Glu Pro Ala Glu Arg Glu Pro Arg Ser Ser Glu Thr  
100 105 110

Ser Arg Ile Tyr Thr Trp Ala Arg Gly Arg Val Val Gly Arg Lys Cys  
115 120 125